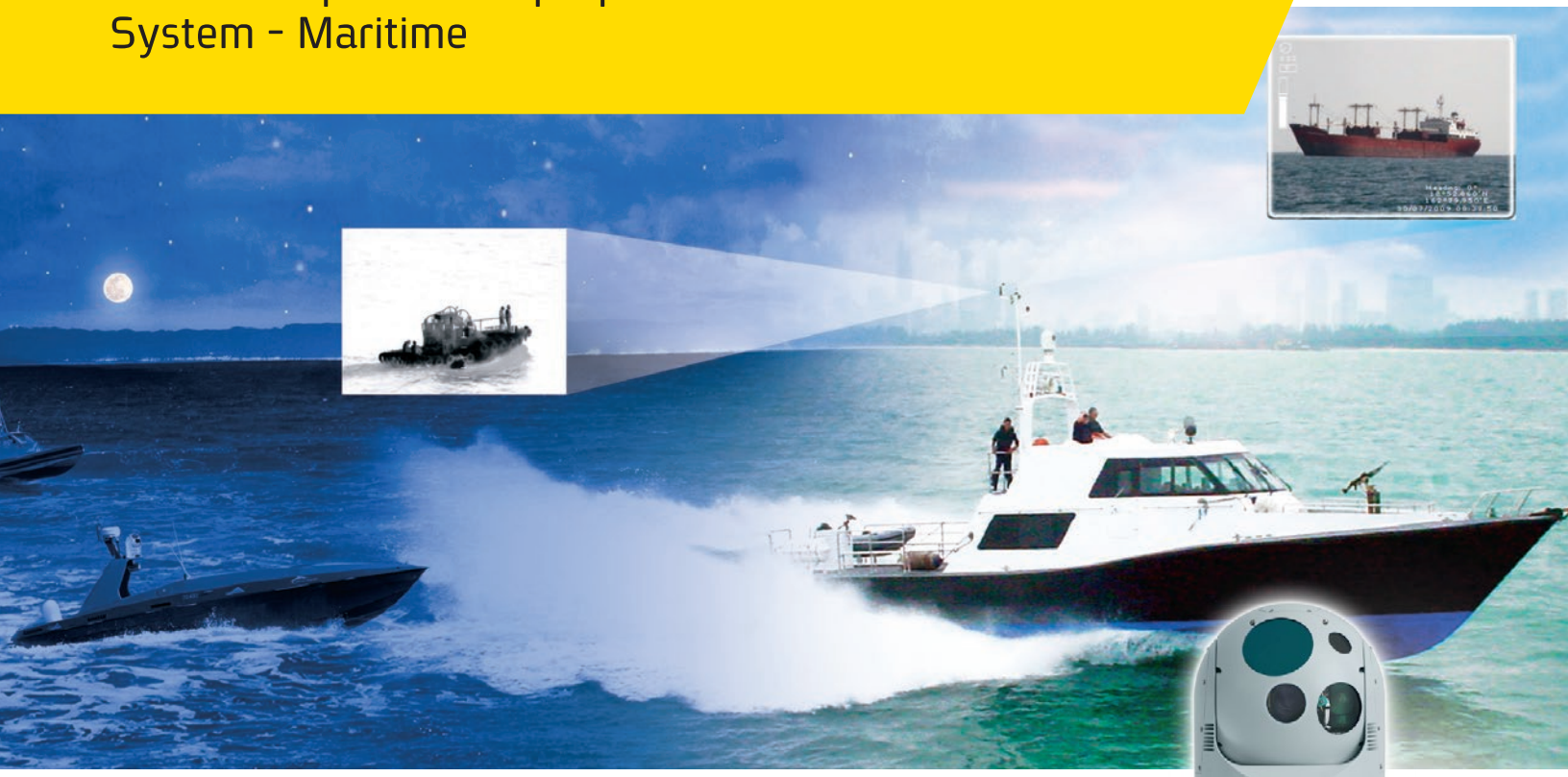
MicroCoMPASS™

Micro Compact Multi-purpose Advanced Stabilized System - Maritime



General

The MicroCoMPASS payload is the latest member of the battleproven CoMPASS stabilized EO payload family, in use worldwide.

Features:

- Ultra-lightweight, extremely compact design, optimized for installation on small maritime platforms
- Cutting-edge electro-optical technology, delivering superb day and night observation & surveillance capabilities, even in harsh weather conditions
- Single LRU integrating four EO elements, large format continuous zoom thermal imager, zoom color TV camera with low light mode, target illuminator and eye-safe laser range finder (ELRF)
- High stabilization level in a harsh sea state
- Meets even the most severe environmental requirements

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Applications

- Coastal patrol
- Riverine operations
- Special forces
- Surveillance
- Search & Rescue

Main Advantages & Features

- Stabilized real-time video
- Long range continuous zoom thermal imager and zoom color CCD camera
- Automatic tracking of observed targets
- Lightweight, compact design with low power consumption
- Simple and straightforward installation
- Interface with platforms, fire control and navigation systems
- High reliability

Technical Data

System

• Diameter	8.2"
• Weight	<9 Kg
• Angular coverage	
- Azimuth	N x 360º
- Elevation	+30º to -85º
• Environmental conditions	MIL-STD-810
• Video output standard	PAL, NTSC

Thermal Channel

• FLIR	Cooled 3rd generation 3-5µm FPA detector 640 x 512
• FOV (continuous zoom)	
- Narrow	2.5º x 2º
- Wide	17.5º x 14º
- Electronic zoom	X3

Day Channel

• Color TV camera	1/4" CCD detector
• FOV (continuous zoom)	
- Narrow	1.7º X 1.2º
- Wide	42º x 32º
- Electronic zoom	X12

Laser

• Laser target illuminator	830 nm (NVG compatible)
• Eye-safe laser range finder (ELRF)	
- Laser wavelength	1.54µm
- Repetition rate	20 ppm continuously
• Laser designator (optional)	

External Interface

- RS 232/422, ETHERNET

Elbit Systems Ltd.
E-mail: istar@elbitsystems.com www.elbitsystems.com

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